H67DE3

Intel® H67 Chipset

ASRock
www.asrock.com

Product Brief

- 100% All Solid Capacitor design
- Supports Intel® K-Series unlocked CPU
- Supports Dual Channel DDR3 1333
- Intel® HD Graphics 2000/3000 and new Visual Features, DX10.1, Pixel Shader 4.1
- Supports Blu-ray Stereoscopic 3D with HDMI 1.4a
- Multi VGA Output options: D-Sub, DVI-D and HDMI
- 2 x USB 3.0 ports, 2 x SATA3 connectors
- Supports ASRock Extreme Tuning Utility (AXTU), Instant Boot, Instant Flash, Good Night LED, Multi-Fan Speed Control, AIWI, APP Charger, SmartView
- Combo Cooler Option (C.C.O.)
- 7.1 CH HD Audio with Content Protection (Realtek ALC892 Audio Codec), Premium Blu-ray audio suppport
- Free Gift : 1 x 3D Red/Cyan Anaglyph Glasses
- Free Software : CyberLink DVD Suite - OEM and Trial; Creative Sound Blaster X-Fi MB - Trial

The specification is subject to change without notice. The brand and product names are trademarks of their respective companies. Any configuration other than original product specification is not guaranteed.

Detail Specification

Platform	- ATX Form Factor: 12.0-in x 8.3-in, 30.5 cm x 21.1 cm - All Solid Capacitor design
CPU	- Supports 2nd Generation Intel® Core™ i7 / i5 / i3 in LGA1155 Package - Supports Intel® Turbo Boost 2.0 Technology - Supports Intel® K-Series unlocked CPU - Supports Hyper-Threading Technology
Chipset	- Intel® H67
Memory	- Dual Channel DDR3 memory technology - 4 x DDR3 DIMM slots - Supports DDR3 1333/1066 non-ECC, un-buffered memory - Max. capacity of system memory: 32GB
Expansion Slot	- 1 x PCI Express 2.0 x16 slot (blue @ x16 mode) - 3 x PCI Express 2.0 x1 slots - 2 x PCI slots
Graphics	- Intel® HD Graphics 2000/3000 and new Visual Features - Pixel Shader 4.1, DirectX 10.1 - Max. shared memory 1759MB - Multi VGA Output options: D-Sub, DVI-D and HDMI - Supports HDMI 1.4a Technology with max. resolution up to 1920x1200 @ 60Hz - Supports DVI with max. resolution up to 1920x1200 @ 60Hz - Supports D-Sub with max. resolution up to 2048x1536 @ 75Hz - Supports Auto Lip Sync, Deep Color (12bpc), xvYCC and HBR (High Bit Rate Audio) with HDMI (Compliant HDMI monitor is required) - Supports Blu-ray Stereoscopic 3D with HDMI 1.4a - Supports HDCP function with DVI and HDMI ports - Supports Full HD 1080p Blu-ray (BD) / HD-DVD playback with DVI and HDMI ports
Audio	- 7.1 CH HD Audio with Content Protection (Realtek ALC892 Audio Codec) - Premium Blu-ray audio support
LAN	- PCIE x1 Gigabit LAN 10/100/1000 Mb/s - Realtek RTL8111E - Supports Wake-On-LAN - Supports LAN Cable Detection - Supports Energy Efficient Ethernet 802.3az
Rear Panel I/O	I/O Panel - 1 x PS/2 Keyboard Port - 1 x VGA/D-Sub Port - 1 x VGA/DVI-D Port - 1 x HDMI Port - 1 x Optical SPDIF Out Port - 4 x Ready-to-Use USB 2.0 Ports - 2 x Ready-to-Use USB 3.0 Ports - 1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED) - HD Audio Jack: Rear Speaker / Central / Bass / Line in / Front Speaker / Microphone
SATA3	- 2 x SATA3 6.0 Gb/s connectors, support RAID (RAID 0, RAID 1, RAID 10, RAID 5 and Intel® Rapid Storage), NCQ, AHCI and "Hot Plug" functions
USB 3.0	- 2 x USB 3.0 ports by Etron EJ168A, support USB 1.0/2.0/3.0 up to 5Gb/s
Connector	- 4 x SATA2 3.0 Gb/s connectors, support RAID (RAID 0, RAID 1, RAID 10, RAID 5 and Intel® Rapid Storage), NCQ, AHCI and Hot Plug functions - 2 x SATA3 6.0 Gb/s connectors - 1 x IR header - 1 x CIR header - 1 x COM port header - 1 x HDMI_SPDIF header - 1 x Power LED header - CPU/Chassis/Power FAN connector - 24 pin ATX power connector - 8 pin 12V power connector - Front panel audio connector - 2 x USB 2.0 headers (support 4 USB 2.0 ports)
BIOS Feature	- 64Mb AMI UEFI Legal BIOS with GUI support - Supports "Plug and Play" - ACPI 1.1 Compliance Wake Up Events - Supports jumperfree - SMBIOS 2.3.1 Support - IGPU, DRAM, PCH, CPU PLL, VTT, VCCSA Voltage Multi-adjustment
Support CD	- Drivers, Utilities, AntiVirus Software (Trial Version), ASRock Software Suite (CyberLink DVD Suite - OEM and Trial; Creative Sound Blaster X-Fi MB - Trial)

Unique Feature	- ASRock Extreme Tuning Utility (AXTU)
	- Instant Boot
	- ASRock Instant Flash
	- ASRock AIWI
	- ASRock APP Charger
	- SmartView
	- Hybrid Booster:
	  - ASRock U-COP
	  - Boot Failure Guard (B.F.G.)
	- Combo Cooler Option (C.C.O.)
	- Good Night LED

Hardware Monitor	- CPU Temperature Sensing - Chassis Temperature Sensing - CPU/Chassis/Power Fan Tachometer - CPU/Chassis Quiet Fan (Allow Chassis Fan Speed Auto-Adjust by CPU or MB Temperature) - CPU/Chassis Fan Multi-Speed Control - Voltage Monitoring: +12V, +5V, +3.3V, CPU Vcore
OS	- Microsoft® Windows® 7 / 7 64-bit / Vista™ / Vista™ 64-bit / XP / XP 64-bit compliant
Certifications	- FCC, CE, WHQL - ErP/EuP Ready (ErP/EuP ready power supply is required)
Accessories	- Quick Installation Guide, Support CD, I/O Shield - 2 x SATA Data Cables (Optional) - 1 x 3D Red/Cyan Anaglyph Glasses

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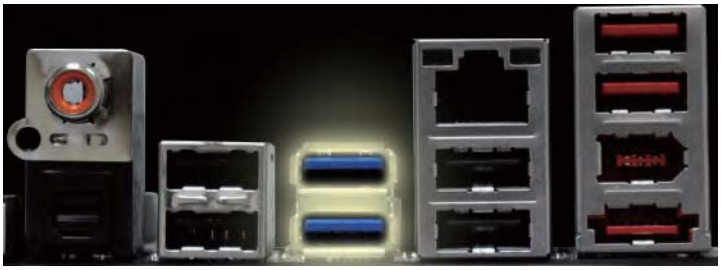
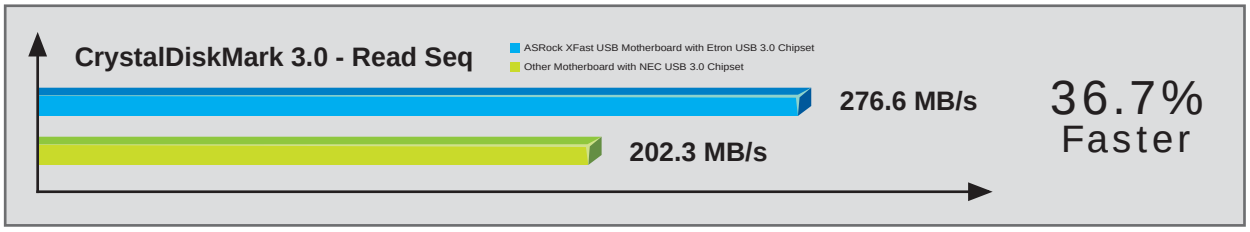
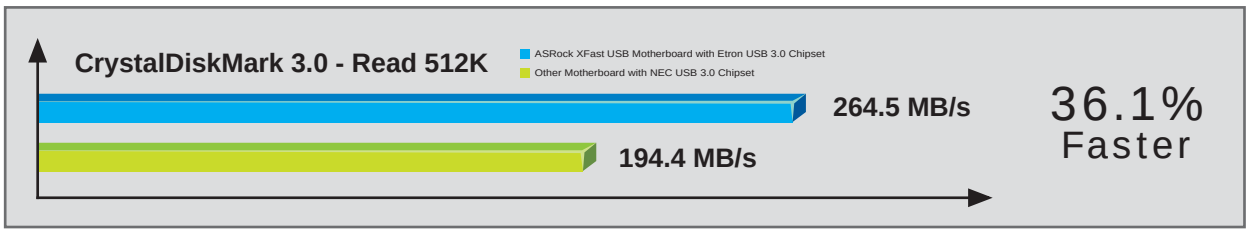
ASRock XFast USB Technology - Faster Than Your Imagination!

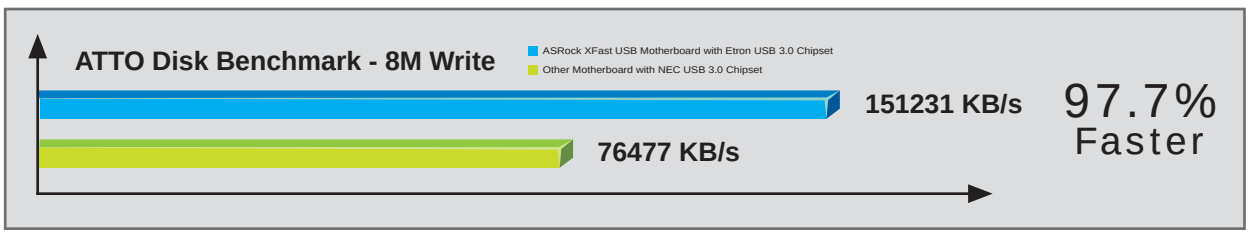


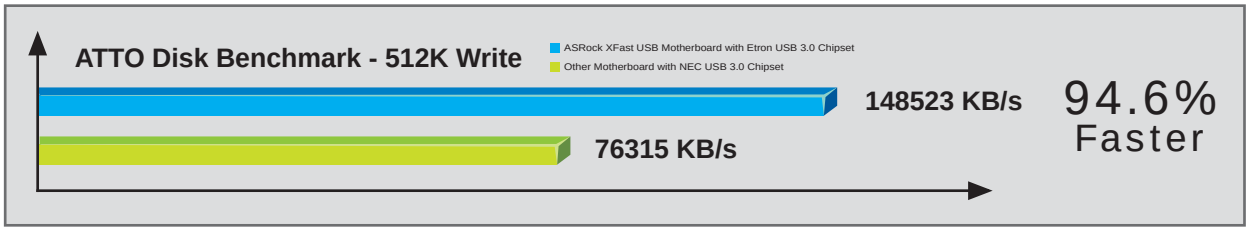
(The rear I/O photo is example only)

ASRock XFast USB Technology redefines the new standard in high performance computing. Proving once again to be the pioneer in motherboard industry, ASRock XFast USB Series Motherboards integrate with the latest XFast USB Technology which delivers the world's fastest USB data transfer speed. According to the below graph, it shows that the ASRock XFast USB technology can even boost USB 3.0 performance up to 97.7%!


CrystalDiskMark 3.0 - Read Seq
ASRock XFast USB Motherboard with Etron USB 3.0 Chipset
Other Motherboard with NEC USB 3.0 Chipset
276.6 MB/s
202.3 MB/s
36.7% Faster


CrystalDiskMark 3.0 - Read 512K
ASRock XFast USB Motherboard with Etron USB 3.0 Chipset
Other Motherboard with NEC USB 3.0 Chipset
264.5 MB/s
194.4 MB/s
36.1% Faster


ATTO Disk Benchmark - 8M Write
ASRock XFast USB Motherboard with Etron USB 3.0 Chipset
Other Motherboard with NEC USB 3.0 Chipset
151231 KB/s
76477 KB/s
97.7% Faster


ATTO Disk Benchmark - 512K Write
ASRock XFast USB Motherboard with Etron USB 3.0 Chipset
Other Motherboard with NEC USB 3.0 Chipset
148523 KB/s
76315 KB/s
94.6% Faster

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C.C.O. pro ides the le ible option to adopt three di erent C U cooler t pes Socket A 77 A and A 6

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Free Gift

3D Re yan Anagly h lasses

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3D Red/Cyan
Anaglyph lasses
Stereoscopic 3 Bl ra pla back e perience in
ll H 0 0p resol tion o er H MI . a
n oy 3D Display ow!

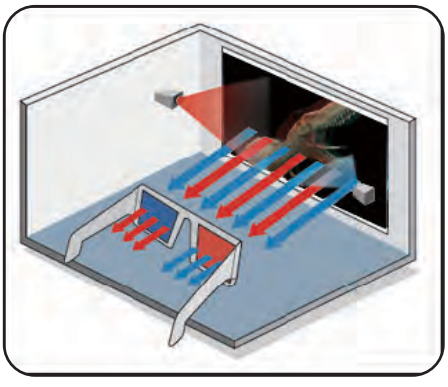
Undoubtedly, "jump-out-of -the-screen" stereoscopic 3D technology is a rising trend in entertainment. In order to let our users experience 3D display in a simple way, ASRock specially provides a set of 3D Red/Cyan anaglyph glasses in our package.

3D i eo Systems an 3D ie ing

3D video systems are designed to duplicate this real-world experience by providing each eye a unique version of the video. The 3D image is created by displaying a separate image for each eye. Objects in a 3D video might appear to be in front of or behind the screen. To view 3D video, the display technology and the corresponding 3D glasses insure that the left eye sees only the video meant for the left eye, and so on for the right eye.

Anagly hic 3D

Mention 3D video, many people are of course familiar with 3D glasses, one red and one blue, cyan or green lens. The red/blue system is mainly used for traditional television and computer 3-D effects, and was used in older 3-D movies. These glasses use the anaglyphic method of displaying a 3D image.



Anaglyph images are created by using color filters to remove a portion of the visible color spectrum from the image meant for each eye. When viewed through the color filters in the 3D glasses, each eye only sees the image that contains the portion of the color spectrum not filtered out by the lens. The disadvantage of Anaglyphic 3D is obvious; the overall image quality suffers as a large portion of the color spectrum is filtered out of the image for each eye.

What You Need?

ASRock H67 MB + Nor al Monitor + 3 Red C an Ana l ph lasses +

3 Red C an Content ideo Nor al la er or Bl ra 3 Content ideo ower 0 Bl ra 3

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AXTU – The All-in-1 Tuning Software

ASRock xtreme Tuning Utility A TU is an all-in-one software to fine-tune different features in an user-friendly interface, which includes ardware Monitor, an Control, Overclocking, OC D A and I S. In ardware Monitor, it shows the major readings of your system. In an Control, it shows the fan speed and temperature for you to adjust. In Overclocking, you are allowed to overclock the T frequency which helps to boost up the graphics performance and some voltage settings for optimal system performance.
In OC D A, you can save your OC settings as a profile and share with your friends. our friends then can load the OC profile to their own system to get the same OC settings. In I S Intelligent nergy Saver , the voltage regulator can reduce the number of output phases to improve efficiency when the C U cores are idle without sacrificing computing performance.

UEFI – The Revolutionary BIOS Interface

ASRock UEFI Setup Utility
MAIN
ADVANCE
H/W MONITOR
BOOT
SECURITY
SAVE & EXIT
Description
The higher the level, the higher the fan speed
CPU Temperature : 40.5 C
N/B Temperature : 33.0 C
CPU Fan 1 Speed : N/A
CPU Fan 2 Speed : N/A
Chassis Fan 1 Speed : N/A
Chassis Fan 2 Speed : N/A
Chassis Fan 3 Speed : N/A
Power Fan Speed : N/A
Vcore : +1.44 V
+12.00V : +11.721 V
+5.00V : +4.752 V
+3.30V : +2.992 V
CPU Fan 1 & 2 Setting Full On
Chassis Fan 1 Setting Full On
Chassis Fan 2 Setting Level 4
Chassis Fan 3 Setting Full On
Over Temperature Protection Full On
Tomorrow's technology today
Tue 10/19/2010, 19:21:28

Windows ista- bit or Windows - bit OS is required

Unified xtensible irmware Interface U I is a revolutionary IOS utility which offers tweak-friendly options in an advanced viewing interface. Compared with traditional IOS design, the latest U I utility provides lots improved functions. The major features of U I include

. raphical isual xperience U I provides an improved visual interface with colorful icons and makes your computing environment more versatile to replace the traditional dull IOS page.

. Mouse nabling esides keyboard control, you can freely use mouse to select your ideal settings in U I as well.

3. Support bootable DD over than T U I breaks the limitation of T bootable DD on traditional IOS. With U I, you can enjoy the bootable DD si e over than T

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SmartView

E perience the Brand New Browser Now

S art iew is the s art start pa e or IE that co bines o r ost isited web sites o r histor o r Facebook riends and o r real ti e news eed into an enhanced iew or a ore personal Internet e perience. ASRock otherboards are e cl si el e ipped with the S art iew tilit that helps o keep in to ch with riends on the o.

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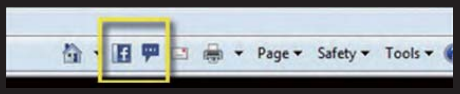

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Flow Mode

Flow Mode

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FREE Bundle
ASRock Software Suite
CyberLink Power2Go 6.1 LE OEM
CyberLink MediaShow 4.1 SE OEM
CyberLink PowerDVD 8.0 DTS Trial
CyberLink PowerDirector 8.0 Trial
CyberLink PowerBackup 2.5 Trial
Creative Sound Blaster X-Fi MB Trial

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